











**Lyme Disease Reports
by Case Status and Surveillance Method
Connecticut, 1996-2005**

Status	Passive 1996-2005	Active 1996-2005	Enhanced 1996-1997	Laboratory 1998-2002
Cases	62% (10,047)	67% (7,148)	52% (1,949)	25% (9,467)
Non-Cases	26% (4,145)	33% (3,505)	48% (1783)	36% (13,574)
Lost to Follow-up	12% (1,996)	<1% (61)	<1% (7)	39% (15,002)
Total	16,188	10,714	3,739	38,043

**Lyme Disease Cases by
Clinical Sign and Surveillance Method
Connecticut, 1996-2005**

Sign	Passive 1996-2005	Active 1996-2005	Enhanced 1996-1997	Laboratory 1998-2002
EM	83% (8,332)	80% (5,746)	61% (1,186)	57% (5,376)
Arthritis	12% (1,205)	15% (1,104)	27% (532)	30% (2,870)
Bell's Palsy	4% (372)	3% (214)	7% (143)	8% (743)
Radiculoneuropathy	1% (95)	1% (95)	4% (84)	4% (418)
Total	10,047	7,148	1,949	9,467

**Positive Laboratory Reports by
Case Status and Test Protocol
Connecticut, 2002**

Status	Single-Positive	Two-Tiered	Total
Case	13% (606)	37% (1,760)	25% (2,366)
Non-Case	35% (1,628)	42% (1,981)	39% (3,609)
Lost to Follow-up	52% (2,372)	22% (1,028)	36% (3,400)
Total	4,606	4,769	9,375



**Lyme Disease Cases by Surveillance Method
Connecticut, 2002**

**Total Cases
4631**

**Physicians
2257 (49%)**

**Laboratories
2374 (51%)
Incl. 8 neg. reports**

	Single-Pos 606 (13%)	Two-Tier 1760 (38%)
+ EM	346 (7%)	1009 (22%)
- EM	260 (6%)	751 (16%)



National Surveillance Case Definition

Criteria for Laboratory Confirmation

1991

- ◆ IgM or IgG positive serology

1996

- ◆ 2-tier testing recommended

2008

- ◆ 2-tier testing or IgG W blot
- ◆ Confirmed, Probable

Lyme Disease Reports by Case Status and Case Definition Connecticut, 2008

Case Status	1996 Case Definition	2008 Case Definition
Confirmed	3206	2738
Probable	NA	1158
Non-Cases	3788	5170
Lost to Follow-up	5178	3106
Total	12,172	

Lyme Disease Cases Surveillance Cases vs. Survey Estimates

Connecticut, 2001

Health District (population)	Surveillance Cases	Survey Respondents With LD	Survey Estimate (Rate*)
WWHD (35,786)	127	7%	903 (2,523)
LLHD (73,746)	70	3%	623 (845)
TAHD (120,947)	197	4%	1,925 (1,592)

K Griffith, et al. EIS Conference 2003

* Per 100,000 population

Surveys

Adult respondents reporting diagnosis
of Lyme disease in past year

	1994	1999	2001	2004
Lyme	4%			6%
WWHD		5%	7%	5%
LLHD			3%	4%
TAHD			4%	3%

